



PTO/SB/21 (08-00)

Please type a plus sign (+) inside this box → ☐Approved for use through 10/31/02. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number Of Pages In This Submission

46 + 241
REFS

Application Number

10/033,243

Filing Date

December 27, 2001

First Named Inventor

Karen L. FEARON and Dino DINA

Group Art Unit

1653

Examiner Name

To Be Assigned

Attorney Docket No.

377882001800

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declarations☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement (3 pages)☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53 (2
pgs)☐ Assignment Papers
(for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to
Group☐ Appeal Communication to Board of
Appeals and Interferences☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify
below):

1. Form PTO-1449 plus 1 copy (32 pages)
2. Two hundred forty-one (241) References
3. 10 cover sheets for references

Remarks

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm

Morrison & Foerster LLP, 755 Page Mill Rd, Palo Alto, CA 94304-1018

or

Individual Name

Karen R. Zachow, Reg. No. 46,332

Signature

Date

March 25, 2002

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on March 25, 2002.

Date

Hazel M. Raskowitz

Burden Hours Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PATENT
Docket No. 377882001800

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents, Washington, D.C. 20231, on March 25, 2002.

Hazel M. Raskowitz
Hazel M. Raskowitz

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Karen L. FEARON and Dino DINA

Serial No.: 10/033,243

Filing Date: December 27, 2001

For: IMMUNOMODULATORY
POLYNUCLEOTIDES AND METHODS
OF USING THE SAME

Examiner: To Be Assigned

Group Art Unit: 1653

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of * is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of * is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorizes the Assistant Commissioner to

charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 377882001800. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: March 25, 2002

Respectfully submitted,

By: Karen R. Zachow
Karen R. Zachow
Registration No. 46,332

Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018
Telephone: (650) 813-5895
Facsimile: (650) 494-0792

Form PTO-1449

Docket Number 377882001800

Application Number 10/033,243

Applicant

Karen L. FEARON and Dino DINA

Filing Date December 27, 2001

Group Art Unit 1653

Mailing Date March 25, 2002

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

APR 05 2002

(Use several sheets if necessary)



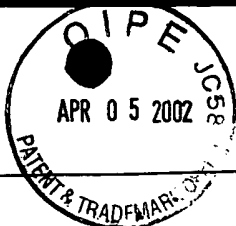
U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	07/03/1984	4,458,066	Caruthers et al.			
	2.	03/17/1987	4,650,675	Borel et al.			
	3.	07/18/1989	4,849,513	Smith et al.			
	4.	03/20/1990	4,910,300	Urdea et al.			
	5.	08/14/1990	4,948,882	Ruth			
	6.	05/14/1991	5,015,733	Smith et al.			
	7.	03/03/1992	5,093,232	Urdea et al.			
	8.	06/02/1992	5,118,800	Smith et al.			
	9.	06/02/1992	5,118,802	Smith et al.			
	10.	06/23/1992	5,124,246	Urdea et al.			
	11.	02/21/1995	5,391,723	Priest			
	12.	09/26/1995	5,453,496	Caruthers et al.			
	13.	10/24/1995	5,460,831	Kossovsky et al.			
	14.	01/16/1996	5,484,596	Hanna, Jr. et al.			
	15.	09/03/1996	5,552,391	Coutts et al.			
	16.	09/02/1997	5,663,153	Hutcherson et al.			
	17.	03/03/1998	5,723,335	Hutcherson et al.			
	18.	12/15/1998	5,849,719	Carson et al.			
	19.	07/18/2000	6,090,791	Sato et al.			
	20.	01/16/2001	6,174,872 B1	Carson et al.			
	21.	02/27/2001	6,194,388 B1	Krieg et al.			
	22.	03/27/2001	6,207,646 B1	Krieg et al.			
	23.	04/10/2001	6,214,806 B1	Krieg et al.			
	24.	04/17/2001	6,218,371 B1	Krieg et al.			
	25.	05/29/2001	6,239,116 B1	Krieg et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 377882001800	Application Number 10/033,243
	Applicant Karen L. FEARON and Dino DINA	
	Filing Date December 27, 2001	Group Art Unit 1653
	Mailing Date March 25, 2002	

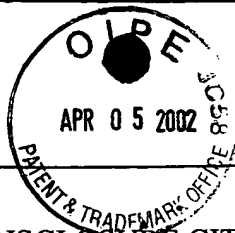
FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation	
							YES	NO
	26.	01/29/1992	EP 468,520 A2, A3	EPO				
	27.	02/01/1996	WO 96/02555 A1	WIPO				
	28.	08/07/1997	WO 97/28259 A1	WIPO				
	29.	04/23/1998	WO 98/16247 A1	WIPO				
	30.	05/07/1998	WO 98/18810 A1	WIPO				
	31.	09/03/1998	WO 98/37919 A1	WIPO				
	32.	09/17/1998	WO 98/40100 A1	WIPO				
	33.	11/26/1998	WO 98/52581 A1	WIPO				
	34.	11/26/1998	WO 98/52962 A1	WIPO				
	35.	12/10/1998	WO 98/55495 A2,A3	WIPO				
	36.	12/10/1998	WO 98/55609 A1	WIPO				
	37.	03/11/1999	WO 99/11275 A2,A3	WIPO				
	38.	07/08/1999	WO 99/33488 A2,A3	WIPO				
	39.	07/08/1999	WO 99/33868 A2,A3	WIPO				
	40.	10/14/1999	WO 99/51259 A2,A3	WIPO				
	41.	11/11/1999	WO 99/56755 A1	WIPO				
	42.	12/02/1999	WO 99/61056 A2	WIPO				
	43.	12/09/1999	WO 99/62923 A2,A3	WIPO				
	44.	02/10/2000	WO 00/06588 A1	WIPO				
	45.	03/30/2000	WO 00/16804 A1	WIPO				
	46.	04/20/2000	WO 00/21556 A1	WIPO				
	47.	09/21/2000	WO 00/54803 A2	WIPO				
	48.	10/19/2000	WO 00/61151 A2,A3	WIPO				
	49.	11/09/2000	WO 00/67023 A1	WIPO				
	50.	11/16/2000	WO 00/67787 A2,A3	WIPO				
	51.	02/22/2001	WO 01/12223 A2	WIPO				
	52.	03/08/2001	WO 01/15726 A2,A3	WIPO				

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 377882001800

Application Number 10/033,243

Applicant

Karen L. FEARON and Dino DINA

Filing Date December 27, 2001

Group Art Unit 1653

Mailing Date March 25, 2002

53.	04/05/2001	WO 01/22972 A2,A3	WIPO				
54.	04/05/2001	WO 01/22990 A2,A3	WIPO				
55.	05/25/2001	WO 01/35991 A2,A3	WIPO				
56.	07/19/2001	WO 01/51500 A1	WIPO				
57.	08/02/2001	WO 01/54720 A1	WIPO				

OTHER DOCUMENTS

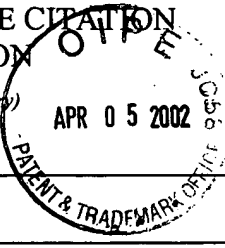
(including author, title, Date, Pertinent Pages, Etc.)

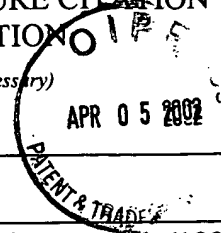
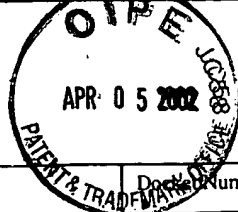
Examiner Initials	Ref. No.	Title
	58.	Agrawal, Sudhir et al. (1986). "Efficient Methods for Attaching Non-Radioactive Labels to the 5' ends of Synthetic Oligodeoxyribonucleotides," <i>Nucleic Acids Res.</i> 14(15):6227-6245.
	59.	Ahmeida, E.T.S. Ben et al. (1993). "Immunopotential of Local and Systemic Humoral Immune Responses by ISCOMs, Liposomes and FCA: Role in Protection Against Influenza A in Mice," <i>Vaccine</i> 11(13):1302-1309.
	60.	Aramaki, Yukihito et al. (1995). "Interferon- γ Inductive Effect of Liposomes as an Immunoadjuvant," <i>Vaccine</i> 13(18):1809-1814.
	61.	Asanuma, Hideki et al. (1995). "Cross-Protection Against Influenza Virus Infection in Mice Vaccinated by Combined Nasal-Subcutaneous Administration," <i>Vaccine</i> 13(1):3-5.
	62.	Atherton, Eric et al. (1981). "Synthesis of a 21-Residue Fragment of Human Proinsulin by the Polyamide Solid Phase Method," <i>Hoppe-Seyler's Z. Physiol. Chem.</i> 362:833-839.
	63.	Ausubel, Frederick M. et al., eds. (1995). <u>Current Protocols in Molecular Biology</u> , Volume 1, John Wiley & Sons, Inc.: pp. iii-xii (Table of Contents).
	64.	Ballas, Zuhair et al. (1996). "Induction of NK Activity in Murine and Human Cells by CpG Motifs in Oligodeoxynucleotides and Bacterial DNA," <i>J. Immunol.</i> 157:1840-1845.
	65.	Beaucage, Serge L. (1993). "Oligodeoxyribonucleotide Synthesis," Volume 20 Chapter 3 in <u>Protocols for Oligonucleotides and Analogs, Synthesis and Properties</u> , Sudhir Agrawal, ed., Humana Press, Totowa, NJ: pp. 33-61.
	66.	Benoit, Robert et al. (1987). "Peptides. Strategies for Antibody Production and Radioimmunoassays," in <u>Neuromethods</u> , Alan A. Boulton et al., eds., Humana Press, Clifton, NJ: pp. 43-72.
	67.	Bischoff, Rainer et al. (1987). "Introduction of 5'-Terminal Functional Groups into Synthetic Oligonucleotides for Selective Immobilization," <i>Analytical Biochemistry</i> 164:336-344.
	68.	Blanks, Robert and McLaughlin, Larry W. (1988). "An Oligodeoxynucleotide Affinity Column for the Isolation of Sequence Specific DNA Binding Proteins," <i>Nucleic Acids Res.</i> 16(21):10283-10299.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
			
69.	Bohle, Barbara et al. (1999). "Oligodeoxynucleotides Containing CpG Motifs Induce IL-12, IL-18, and IFN- γ Production in Cells from Allergic Individuals and Inhibit IgE Synthesis <i>in vitro</i> ," <i>Eur. J. Immunol.</i> 29:2344-2353.		
70.	Borel, Halina and Borel, Yves (1990). "A Novel Technique to Link Either Proteins or Peptides to Gammaglobulin to Construct Tolerogens," <i>Immunol. Methods</i> 126:159-168.		
71.	Borel, Y. et al. (1995). "Food Allergens Transformed Into Tolerogens," <i>Int. Arch. Allergy Immunol.</i> 107:264-267		
72.	Borel, Y. et al. (1996). "Parenteral and Oral Administration of Tolerogens: Protein-IgG Conjugates," Volume 778 in <u>Oral Tolerance: Mechanisms and Applications</u> <i>Ann. N.Y. Acad. Sci.</i> pp. 80-87.		
73.	Boujrad, Nouredine et al. (1993). "Inhibition of Hormone-Stimulated Steroidogenesis in Cultured Leydig Tumor Cells by a Cholesterol-Linked Phosphorothioate Oligodeoxynucleotide Antisense to Diazepam-Binding Inhibitor," <i>Proc. Natl. Acad. Sci. USA</i> 90:5728-5731.		
74.	Bousquet, Yolène et al. (1999). "Molecular Mechanisms of the Adsorption of a Model Protein (Human Serum Albumin) on Poly(Methylidene Malonate 2.1.2) Nanoparticles," <i>Pharm. Res.</i> 16(1):141-147.		
75.	Branda, Richard F. et al. (1993). "Immune Stimulation by an Antisense Oligomer Complementary to the <i>rev</i> Gene of HIV-1," <i>Biochem. Pharmacol.</i> 45(10):2037-2043.		
76.	Branda, Richard F. et al. (1996). "Amplification of Antibody Production by Phosphorothioate Oligodeoxynucleotides," <i>J. Lab. Clin. Med.</i> 128(3):329-338.		
77.	Braun, Ralph P. and Lee, Jeremy S. (1988). "Immunogenic Duplex Nucleic Acids are Nuclease Resistant," <i>J. Immunol.</i> 141(6):2084-2089.		
78.	Brazolot Millan, Cynthia L. et al. (1998). "CpG DNA Can Induce Strong Th1 Humoral and Cell-Mediated Immune Responses Against Hepatitis B Surface Antigen in Young Mice," <i>Proc. Natl. Acad. Sci. USA</i> 95:15553-15558.		
79.	Breiteneder, Heimo et al. (1989). "The Gene Coding for the Major Birch Pollen Allergen <i>Betv1</i> , is Highly Homologous to a Pea Disease Resistance Response Gene," <i>EMBO J.</i> 8(7):1935-1938.		
80.	Broide, David et al. (1998). "Immunostimulatory DNA Sequences Inhibit IL-5, Eosinophilic Inflammation, and Airway Hyperresponsiveness in Mice," <i>J. Immunol.</i> 161:7054-7062.		
81.	Broide, David and Raz, Eyal (1999). "DNA-Based Immunization for Asthma," <i>Int. Arch. Allergy Immunol.</i> 118:453-456.		
82.	Carson, Dennis A. and Raz, Eyal (1997). "Oligonucleotide Adjuvants for T Helper 1 (Th1)-Specific Vaccination," <i>J. Exp. Med.</i> 186(10):1621-1622.		
EXAMINER: _____ DATE CONSIDERED: _____			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			



Form PTO-1449

Docket Number 377882001800

Application Number 10/033,243

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Karen L. FEARON and Dino DINA

Filing Date December 27, 2001

Group Art Unit 1653


Mailing Date March 25, 2002


83.	Chace, Jacqueline H. et al. (1997). "Bacterial DNA-Induced NK Cell IFN-Gamma Production is Dependent on Macrophage Secretion of IL-12," <i>Clin. Immunol. and Immunopathol.</i> 84(2):185-193.
84.	Chaturvedi, Surendra et al. (1996). "Stabilization of Triple-Stranded Oligonucleotide Complexes: Use of Probes Containing Alternating Phosphodiester and Stereo-Uniform Cationic Phosphoramidate Linkages," <i>Nucleic Acids Res.</i> 24(12):2318-2323.
85.	Chavany, Christine et al. (1992). "Polyalkylcyanoacrylate Nanoparticles as Polymeric Carriers for Antisense Oligonucleotides," <i>Pharm. Res.</i> 9(4):441-449.
86.	Chavany, Christine et al. (1994). "Adsorption of Oligonucleotides onto Polyisohexylcyanoacrylate Nanoparticles Protects Them Against Nucleases and Increases Their Cellular Uptake," <i>Pharm. Res.</i> 11(9):1370-1378.
87.	Chen, Ze et al. (1999). "Enhanced Protection Against a Lethal Influenza Virus Challenge by Immunization with Both Hemagglutinin- and Neuraminidase-Expressing DNAs," <i>Vaccine</i> 17:653-659.
88.	Cho, Hearn Jay et al. (2000). "Immunostimulatory DNA-Based Vaccines Induce Cytotoxic Lymphocyte Activity by a T-Helper Cell-Independent Mechanism," <i>Nature Biotechnol.</i> 18:509-514.
89.	Chu, Rose S. et al. (1997). "CpG Oligodeoxynucleotides Act as Adjuvants that Switch on T Helper 1 (Th1) Immunity," <i>J. Exp. Med.</i> 186(10):1623-1631.
90.	Chua, K.Y. et al. (1988). "Sequence Analysis of cDNA Coding for a Major House Dust Mite Allergen, <i>Der p</i> 1 Homology with Cysteine Proteases," <i>J. Exp. Med.</i> 167:175-182.
91.	Chua, K.Y. et al. (1990). "Expression of <i>Dermatophagoides pteronyssinus</i> Allergen, <i>Der p</i> II, in <i>Escherichia coli</i> and the Binding Studies with Human IgE," <i>Int. Arch. Allergy Appl. Immunol.</i> 91:124-129.
92.	Coligan, John E. et al., eds. (1998). <u>Current Protocols in Immunology</u> , Volume 1, John Wiley & Sons, Inc: pp. 1-9 (Table of Contents).
93.	Connolly, Bernard A. (1985). "Chemical Synthesis of Oligonucleotides Containing a Free Sulphydryl Group and Subsequent Attachment of Thiol Specific Probes," <i>Nucleic Acids Res.</i> 13(12):4485-4502.
94.	Connolly, Bernard A. (1987). "The Synthesis of Oligonucleotides Containing a Primary Amino Group at the 5'-Terminus," <i>Nucleic Acids Res.</i> 15(7):3131-3139.
95.	Cooke, Sara K. and Sampson, Hugh A. (1997). "Allergenic Properties of Ovomuroid in Man," <i>J. Immunol.</i> 159:2026-2032.
96.	Corey, D.R. and Schultz, P.G. (1987). "Generation of a Hybrid Sequence-Specific Single-Stranded Deoxyribonuclease," <i>Science</i> 238:1401-1403.

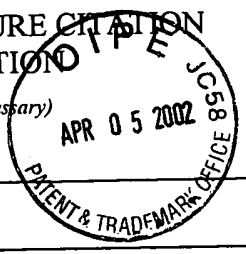
EXAMINER:

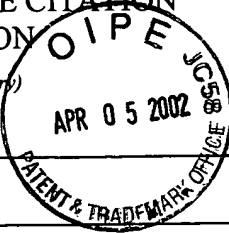
DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
			
97.	Cowdery, John S. et al. (1996). "Bacterial DNA Induces NK Cells to Produce IFN- γ in Vivo and Increases the Toxicity of Lipopolysaccharides," <i>J. Immunol.</i> 156:4570-4575.		
98.	de Martino, Maurizio et al. (1999). "Low IgG3 and High IgG4 Subclass Levels in Children with Advanced Human Immunodeficiency Virus-Type 1 Infection and Elevated IgE Levels," <i>Annals of Allergy, Asthma & Immunol.</i> 83:160-164.		
99.	Douglas, S.J. et al. (1987). "Nanoparticles in Drug Delivery," <i>Crit. Rev. Ther. Drug. Carrier Syst.</i> 3(3):233-261.		
100.	Dumas, V. et al. (1995). "Induction of Tolerance by Administration of Hapten-Immunoglobulin Conjugates is Associated with Decreased IL-2 and IL-4 Production," <i>Arch. Dermatol. Res.</i> 287:123-128.		
101.	Elkins, Karen L. et al. (1999). "Bacterial DNA Containing CpG Motifs Stimulates Lymphocyte-Dependent Protection of Mice Against Lethal Infection with Intracellular Bacteria," <i>J. Immunol.</i> 162:2291-2298.		
102.	Elsayed, S. et al. (1991). "The Structural Requirements of Epitopes With IgE Binding Capacity Demonstrated by Three Major Allergens From Fish, Egg and Tree Pollen," <i>Scand. J. Clin. Lab. Invest.</i> 51: Suppl. 204:17-31.		
103.	Fornadley, John (1998). "Allergy Immunotherapy," <i>Otolaryngol. Clin. North Am.</i> 31(1):111-127.		
104.	Freshney, R.I., ed. (1987). <u>Animal Cell Culture: A Practical Approach</u> , IRL Press: pp. vii-xii (Table of Contents).		
105.	Gait, M. J., ed. (1984). <u>Oligonucleotide Synthesis: A Practical Approach</u> , IRL Press: pp. vii-xii (Table of Contents).		
106.	Galland, A.V. et al. (1998). "Purification of a 41 kDa Cod-Allergenic Protein," <i>J. Chromatogr. B.</i> 706:63-71.		
107.	Gao, Hetian et al. (1995). "Circularization of Oligonucleotides by Disulfide Bridge Formation," <i>Nucleic Acids Res.</i> 23(11):2025-2029.		
108.	Geoghegan, Kieran F. and Stroh, Justin G. (1992). "Site-Directed Conjugation of Nonpeptide Groups to Peptides and Proteins via Periodate Oxidation of a 2-Amino Alcohol. Application to Modification at N-Terminal Serine," <i>Bioconjug. Chem.</i> 3(1):138-146.		
109.	Godard, Gérard et al. (1995). "Antisense Effects of Cholesterol-Oligodeoxynucleotide Conjugates Associated with Poly(Alkylcyanoacrylate) Nanoparticles," <i>Eur. J. Biochem.</i> 232:404-410.		
110.	Goodchild, John (1990). "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of Their Synthesis and Properties," <i>Bioconjug. Chem.</i> 1(3):165-187.		
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION OF TYPE 1 (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
			
	111.	Govorkova, E.A. and Smirnov, Yu. A. (1997). "Cross-Protection of Mice Immunized with Different Influenza A (H2) Strains and Challenged with Viruses of the Same HA Subtype," <i>Acta Virol.</i> 41:251-257.	
	112.	Grabarek, Zenon and Gergely, John (1990). "Zero-Length Crosslinking Procedure with the Use of Active Esters," <i>Anal. Biochem.</i> 185:131-135.	
	113.	Gramzinski, Robert A. et al. (1998). "Immune Response to a Hepatitis B DNA Vaccine in Aotus Monkeys: A Comparison of Vaccine Formulation, Route, and Method of Administration," <i>Mol. Med.</i> 4:109-118.	
	114.	Granoff, Dan M. et al. (1993). "Effect of Immunity to the Carrier Protein on Antibody Responses to <i>Haemophilus Influenzae</i> Type b Conjugate Vaccines," <i>Vaccine</i> 11: Suppl.1:46-51.	
	115.	Hagiwara, Akeo and Takahashi, Toshio et al. (1987). "A New Drug-Delivery-System of Anticancer Agents: Activated Carbon Particles Adsorbing Anticancer Agents," <i>In Vivo</i> 1:241-252.	
	116.	Hames, B.D. and Higgins, S.J., eds. (1987). <u>Transcription and Translation A Practical Approach</u> , IRL Press: pp. vii-xiv (Table of Contents).	
	117.	Haralambidis, Jim et al. (1990a). "The Synthesis of Polyamide - Oligonucleotide Conjugate Molecules," <i>Nucleic Acids Res.</i> 18(3):493-499.	
	118.	Haralambidis, Jim et al. (1990b). "The Preparation of Polyamide-Oligonucleotide Probes Containing Multiple Non-radioactive Labels," <i>Nucleic Acids Res.</i> 18(3):501-505.	
	119.	Hermanson, Greg T. (1996). <u>Bioconjugate Techniques</u> , Academic Press, Inc.: pp. ix-xx (Table of Contents).	
	120.	Horner, Anthony A. et al. (1998). "Immunostimulatory DNA is a Potent Mucosal Adjuvant," <i>Cell. Immunol.</i> 190:77-82.	
	121.	Jäger, Alfred et al. (1988). "Oligonucleotide <i>N</i> -Alkylphosphoramidates: Synthesis and Binding to Polynucleotides," <i>Biochem.</i> 27(19):7237-7246.	
	122.	Jakob, Thilo et al. (1998). "Activation of Cutaneous Dendritic Cells by CpG-Containing Oligodeoxynucleotides: A Role for Dendritic Cells in the Augmentation of Th1 Responses by Immunostimulatory DNA," <i>J. Immunol.</i> 161:3042-3049.	
	123.	Kataoka, Tetsuro et al. (1992). "Antitumor Activity of Synthetic Oligonucleotides with Sequences from cDNA Encoding Proteins of <i>Mycobacterium bovis</i> BCG," <i>Jpn. J. Cancer Res.</i> 83:244-247.	
	124.	Kendrew, Sir John, ed. (1994). <u>The Encyclopedia of Molecular Biology</u> (Table of Contents).	
	125.	Kessler, Christoph (1992). "Nonradioactive Labeling Methods for Nucleic Acids," Chapter 2 in <u>Nonisotopic DNA Probe Techniques</u> , Larry J. Kricka, ed., Academic Press, Inc.: pp. 29-92.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

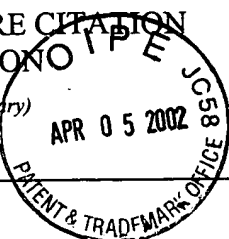
Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
			
126.	Kikuta, Kiyoshi et al. (1990). "Cross-Protection Against Influenza B Type Virus Infection by Intranasal Inoculation of the HA Vaccines Combined with Cholera Toxin B Subunit," <i>Vaccine</i> 8:595-599.		
127.	Kimura, Yoshimitsu et al. (1994). "Binding of Oligoguanylate to Scavenger Receptors is Required for Oligonucleotides to Augment NK Cell Activity and Induce IFN," <i>J. Biochem.</i> 116(5):991-994.		
128.	Kingetsu, I. et al. (2000). "Common Antigenicity Between Japanese Cedar (<i>Cryptomeria japonica</i>) Pollen and Japanese Cypress (<i>Chamaecyparis obtusa</i>) Pollen, I. H-2 Complex Affects Cross Responsiveness to Cry j 1 and Cha o 1 at the T- and B-cell level in Mice," <i>Immunol.</i> 99:625-629.		
129.	Kline, J. N. et al. (1997). "Immune Redirection by CpG Oligonucleotides Conversion of a Th2 Response to a Th1 Response in a Murine Model of Asthma," <i>J. Invest. Med.</i> 45(3):282A.		
130.	Klinman, Dennis M. et al. (1996). "CpG Motifs Present in Bacterial DNA Rapidly Induce Lymphocytes to Secrete Interleukin 6, Interleukin 12, and Interferon γ ," <i>Proc. Natl. Acad. Sci. USA</i> 93:2879-2883.		
131.	Klinman, Dennis M. et al. (1997). "Contribution of CpG Motifs to the Immunogenicity of DNA Vaccines," <i>J. Immunol.</i> 158:3635-3639.		
132.	Kodihalli et al. (1997). "Cross-Protection Among Lethal H5N2 Influenza Viruses Induced by DNA Vaccine to the Hemagglutinin," <i>J. Virol.</i> 71(5):3391-3396.		
133.	Kovarik, Jiri et al. (1999). "CpG Oligodeoxynucleotides can Circumvent the Th2 Polarization of Neonatal Responses to Vaccines but may Fail to Fully Redirect Th2 Responses Established by Neonatal Priming," <i>J. Immunol.</i> 162:1611-1617.		
134.	Kremsky, Jonathan N. et al. (1987). "Immobilization of DNA via Oligonucleotides Containing an Aldehyde or Carboxylic Acid Group at the 5' Terminus," <i>Nucleic Acids Res.</i> 15(7):2891-2909.		
135.	Krieg, Arthur M. et al. (1989). "A Role for Endogenous Retroviral Sequences in the Regulation of Lymphocyte Activation," <i>J. Immunol.</i> 143(6):2448-2451.		
136.	Krieg, Arthur M. et al. (1995). "CpG Motifs in Bacterial DNA Trigger Direct B-Cell Activation," <i>Nature</i> 374:546-549.		
137.	Krieg, Arthur M. (1996). "Lymphocyte Activation by CpG Dinucleotide Motifs in Prokaryotic DNA," <i>Trends Microbiol.</i> 4(2):73-77.		
138.	Krieg, Arthur M. et al. (1996). "Oligodeoxynucleotide Modifications Determine the Magnitude of B Cell Stimulation by CpG Motifs," <i>Antisense Nucleic Acid Drug Dev.</i> 6:133-139.		
EXAMINER:			
DATE CONSIDERED:			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
			
	139.	Krieg, Arthur M. (1998). "Leukocyte Stimulation by Oligodeoxynucleotides," Chapter 24 in <u>Applied Antisense Oligonucleotide Technology</u> , C.A. Stein and Arthur M. Krieg, eds., Wiley-Liss, Inc.: pp. 431-448.	
	140.	Krieg, Arthur M. et al. (1998a). "The Role of CpG Dinucleotides in DNA Vaccines," <i>Trends Microbiol.</i> 6(1):23-27.	
	141.	Krieg, Arthur M. et al. (1998b). "CpG DNA Induces Sustained IL-12 Expression <i>in Vivo</i> and Resistance to <i>Listeria monocytogenes</i> Challenge," <i>J. Immunol.</i> 161:2428-2434.	
	142.	Krieg, Arthur M. et al. (1998c). "Sequence Motifs in Adenoviral DNA Block Immune Activation by Stimulatory CpG Motifs," <i>Proc. Natl. Acad. Sci. USA</i> 95:12631-12636.	
	143.	Krieg, Arthur M. (1999). "CpG DNA: a Novel Immunomodulator," <i>Trends Microbiol.</i> 7(2):64-65.	
	144.	Kullman, Willi. (1997). <u>Enzymatic Peptide Synthesis</u> , CRC Press, Inc. Boca Raton, FL: (Table of Contents).	
	145.	Lambert, Gregory et al. (1998). "Effect of Polyisobutylcyanoacrylate Nanoparticles and Lipofectin Loaded with Oligonucleotides on Cell Viability and PKC α Neosynthesis in HepG2 Cells," <i>Biochimie</i> 80:969-976.	
	146.	Langenberg, Andria G.M. (1995). "A Recombinant Glycoprotein Vaccine for Herpes Simplex Type 2: Safety and Efficacy," <i>Ann. Intern. Med.</i> 122(12):889-898.	
	147.	Lasic, D.D. (1993). <u>Liposomes: From Physics to Applications</u> , Elsevier, Amsterdam: pp. xi-xviii (Table of Contents).	
	148.	Latimer, Laura J. P. et al. (1995). "Specificity of Monoclonal Antibodies Produced Against Phosphorothioate and Ribo Modified DNAs," <i>Mol. Immunol.</i> 32(14/15):1057-1064.	
	149.	Lea, I.A. et al., (1996). "Cloning and Sequencing of cDNAs Encoding the Human Sperm Protein, Sp17," <i>Biochim. Biophys. Acta</i> 1307:263-266.	
	150.	Leclerc, Claude et al. (1997). "The Preferential Induction of a Th1 Immune Response by DNA-Based Immunization is Mediated by the Immunostimulatory Effect of Plasmid DNA," <i>Cell. Immunol.</i> 179:97-106.	
	151.	Liang, Hua et al. (1996). "Activation of Human B Cells by Phosphorothioate Oligodeoxynucleotides," <i>J. Clin. Invest.</i> 98(5):1119-1129.	
	152.	Lipford, Grayson B. et al. (1997a). "CpG-Containing Synthetic Oligonucleotides Promote B and Cytotoxic T Cell Responses to Protein Antigen: A New Class of Vaccine Adjuvants," <i>Eur. J. Immunol.</i> 27:2340-2344.	
	153.	Lipford, Grayson B. et al. (1997b). "Immunostimulatory DNA: Sequence-Dependent Production of Potentially Harmful or Useful Cytokines," <i>Eur. J. Immunol.</i> 27:3420-3426.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 377882001800

Application Number 10/033,243

Applicant

Karen L. FEARON and Dino DINA

Filing Date December 27, 2001

Group Art Unit 1653

Mailing Date March 25, 2002

- | | |
|------|--|
| 154. | Liu, Hsin-Ming et al. (1998). "Immunostimulatory CpG Oligodeoxynucleotides Enhance the Immune Response to Vaccine Strategies Involving Granulocyte-Macrophage Colony-Stimulating Factor," <i>Blood</i> 92(10):3730-3736. |
| 155. | Macfarlane, D.E. et al. (1997). "Unmethylated CpG-Containing Oligodeoxynucleotides Inhibit Apoptosis in WEHI 231 B Lymphocytes Induced by Several Agents: Evidence for Blockade of Apoptosis at a Distal Signalling Step," <i>Immunology</i> 91:586-593. |
| 156. | Manzel, Lori and Macfarlane, Donald E. (1999). "Lack of Immune Stimulation by Immobilized CpG-Oligodeoxynucleotide," <i>Antisense Nucl. Acid Drug Dev.</i> 9:459-464. |
| 157. | Martin-Orozco, Elena et al. (1999). "Enhancement of Antigen-Presenting Cell Surface Molecules Involved in Cognate Interactions by Immunostimulatory DNA Sequences," <i>Int. Immunol.</i> 11(7):1111-1118. |
| 158. | Masseyeff, René F., ed. (1993). <u>Methods of Immunological Analysis. Volume 1: Fundamentals</u> , Verlagsgesellschaft mbH, D-6940, Weinheim, Germany: pp. xi-xxii (Table of Contents). |
| 159. | Matteucci, Mark (1997). "Oligonucleotide Analogs: An Overview," in <u>Oligonucleotides as Therapeutic Agents</u> , D.J. Chadwick and G. Cardew, eds., John Wiley and Sons, New York, NY: pp. 5-18. |
| 160. | Mbawuike, Innocent N. et al. (1994). "Influenza: A Subtype Cross-Protection after Immunization of Outbred Mice with a Purified Chimeric NS ₁ /HA ₂ Influenza Virus Protein," <i>Vaccine</i> 12(14):1340-1348. |
| 161. | McCluskie, Michael J. and Davis, Heather L. (1998). "CpG DNA is a Potent Enhancer of Systemic and Mucosal Immune Responses Against Hepatitis B Surface Antigen with Intranasal Administration to Mice," <i>J. Immunol.</i> 161:4463-4466. |
| 162. | Miller, Jeffrey H. and Calos, Michele B., eds. (1987). "Gene Transfer Vectors for Mammalian Cells," in <u>Current Communications in Molecular Biology</u> , Cold Spring Harbor Laboratory: pp. vii-ix (Table of Contents). |
| 163. | Miller, Paul S. et al. (1971). "Syntheses and Properties of Adenine and Thymine Nucleoside Alkyl Phosphotriesters, the Neutral Analogs of Dinucleoside Monophosphates," <i>JACS</i> 93(24):6657-6665. |
| 164. | Mishell, Barbara B. and Shiigi, Stanley M., eds. <u>Selected Methods in Cellular Immunology</u> , W.H. Freeman & Co., San Francisco: pp. vii-xiv (Table of Contents). |
| 165. | Mitragotri, Samir et al. (1995). "Ultrasound-Mediated Transdermal Protein Delivery," <i>Science</i> 269:850-853. |
| 166. | Mojcik, Christopher F. et al. (1993). "Administration of a Phosphorothioate Oligonucleotide Antisense to Murine Endogenous Retroviral MCF <i>env</i> Causes Immune Effects <i>in Vivo</i> in a Sequence-Specific Manner," <i>Clin. Immunol. and Immunopathol.</i> 67(2):130-136. |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 377882001800

Application Number 10/033,243

Applicant

Karen L. FEARON and Dino DINA

Filing Date December 27, 2001

Group Art Unit 1653


Mailing Date March 25, 2002

- | | |
|------|--|
| 167. | Moldoveanu, Zina et al. (1998). "CpG DNA, a Novel Immune Enhancer for Systemic and Mucosal Immunization with Influenza Virus," <i>Vaccine</i> 16(11/12):1216-1224. |
| 168. | Mullis, Kary B. et al., eds. (1994). <i>PCR: The Polymerase Chain Reaction</i> , Birkhäuser: pp. xv-xvii (Table of Contents). |
| 169. | Nelson, Jeffrey S. et al. (1997). "N3'→P5' Oligodeoxyribonucleotide Phosphoramidates: A New Method of Synthesis Based on a Phosphoramidite Amine-Exchange Reaction," <i>J. Org. Chem.</i> 62:7278-7287. |
| 170. | Nelson, Paul S. et al. (1989). "Bifunctional Oligonucleotide Probes Synthesized Using a Novel CPG Support are able to Detect Single Base Pair Mutations," <i>Nucleic Acids Res.</i> 17(18):7187-7194. |
| 171. | O'Shannessy, Daniel J. and Quarles, Richard H. (1985). "Specific Conjugation Reactions of the Oligosaccharide Moieties of Immunoglobulins," <i>J. Applied Biochem.</i> 7:347-355. |
| 172. | Pastorello, Elide A. et al. (1998). "Sensitization to the Major Allergen of Brazil Nut is Correlated with the Clinical Expression of Allergy," <i>J. Allergy Clin. Immunol.</i> 102(6):1021-1027. |
| 173. | Pertmer, Tamera M. et al. (1996). "Influenza Virus Nucleoprotein-Specific Immunoglobulin G Subclass and Cytokine Responses Elicited by DNA Vaccination are Dependent on the Route of Vector DNA Delivery," <i>J. Virol.</i> 70(9):6119-6125. |
| 174. | Peyrottes, Suzanne et al. (1996). "Oligodeoxynucleoside Phosphoramidates (P-NH ₂): Synthesis and Thermal Stability of Duplexes with DNA and RNA Targets," <i>Nucleic Acids Res.</i> 24(10):1841-1848. |
| 175. | Pisetsky, David S. and Reich, Charles F. (1994). "Stimulation of Murine Lymphocyte Proliferation by a Phosphorothioate Oligonucleotide with Antisense Activity for Herpes Simplex Virus," <i>Life Sci.</i> 54(2):101-107. |
| 176. | Pisetsky, David S. et al. (1995). "Immunological Properties of Bacterial DNA," <i>Ann. N.Y. Acad. Sci.</i> 772:152-163. |
| 177. | Pisetsky, David S. (1996a). "The Immunologic Properties of DNA," <i>J. Immunol.</i> 156(2):421-423. |
| 178. | Pisetsky, David S. (1996b). "Immune Activation by Bacterial DNA: a New Genetic Code," <i>Immunity</i> 5:303-310. |
| 179. | Rafnar, Thorunn et al. (1991). "Cloning of <i>Amb a I</i> (Antigen E), the Major Allergen Family of Short Ragweed Pollen," <i>J. Biol. Chem.</i> 266:1229-1236. |
| 180. | Raz, Eyal et al. (1994). "Intradermal Gene Immunization: The Possible Role of DNA Uptake in the Induction of Cellular Immunity to Viruses," <i>Proc. Natl. Acad. Sci. USA</i> 91:9519-9523. |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
			
	181.	Raz, Eyal et al. (1996). "Preferential Induction of a Th ₁ Immune Response and Inhibition of Specific IgE Antibody Formation by Plasmid DNA Immunization," <i>Proc. Natl. Acad. Sci. USA</i> 93:5141-5145.	
	182.	Redford, Thomas W. et al. (1998). "Cyclosporin A Enhances IL-12 Production by CpG Motifs in Bacterial DNA and Synthetic Oligodeoxynucleotides," <i>J. Immunol.</i> 161:3930-3935.	
	183.	Reese, Gerald et al. (1997). "Characterization of Recombinant Shrimp Allergen Pen a 1 (Tropomyosin)," <i>Int. Arch. Allergy Immunol.</i> 113:240-242.	
	184.	Remington, <i>The Science and Practice of Pharmacy</i> , Nineteenth Edition, Volume 1, Mack Printing Company, Easton PA: pp. xv-xvi (Table of Contents).	
	185.	Rhodes, A. J. and van Rooyen, C.E., eds. (1953). <i>Textbook of Virology</i> , 2nd ed., Williams and Wilkins: pp. 66-69.	
	186.	Rogers, Bruce L. et al. (1993). "Recombinant <i>Fel d</i> I: Expression, Purification, IgE Binding and Reaction with Cat-Allergic Human T Cells," <i>Mol. Immunol.</i> 30(6):559-568.	
	187.	Roget, A. et al. (1989). "Synthesis and Use of Labelled Nucleoside Phosphoramidite Building Blocks Bearing a Reporter Group: Biotinyl, Dinitrophenyl, Pyrenyl and Dansyl," <i>Nucleic Acids Res.</i> 17(19):7643-7651.	
	188.	Romagnani, Sergio (2000). "T-Cell Subsets (Th1 versus Th2)," <i>Ann. Allergy Asthma Immunol.</i> 85(1):9-18.	
	189.	Roman, Mark et al. (1997). "Immunostimulatory DNA Sequences Function as T Helper-1-Promoting Adjuvants," <i>Nature Med.</i> 3(8):849-854.	
	190.	Ruth, Jerry L. (1991). "Oligodeoxynucleotides with Reporter Groups Attached to the Base," Chapter 11 in <i>Oligonucleotides and Analogues: A Practical Approach</i> , F. Eckstein, ed., IRL Press: pp. 255-282.	
	191.	Sambrook, J. et al., eds. (1989). <i>Molecular Cloning: A Laboratory Manual</i> , Second Edition, Cold Spring Harbor Laboratory Press: pp. x-xxxviii (Table of Contents).	
	192.	Sato, Yukio et al. (1996). "Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization," <i>Science</i> 273:352-354.	
	193.	Schacht, Etienne et al. (1996). "Biomedical Applications of Degradable Polyphosphazenes," <i>Biotechnol. Bioeng.</i> 52:102-108.	
	194.	Scherle, Peggy A. and Gerhard, Walter (1986). "Functional Analysis of Influenza Specific-Helper T Cell Clones <i>in vivo</i> ," <i>J. Exp. Med.</i> 164:1114-1128.	
	195.	Scherle, Peggy A. and Gerhard, Walter (1988). "Differential Ability of B Cells Specific for External vs. Internal Influenza Virus Proteins to Respond to Help from Influenza Virus-Specific T-cell Clones <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 85:4446-4450.	
EXAMINER: _____ DATE CONSIDERED: _____			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 377882001800

Application Number 10/033,243

Applicant

Karen L. FEARON and Dino DINA

Filing Date December 27, 2001

Group Art Unit 1653

Mailing Date March 25, 2002

- | | |
|------|---|
| 196. | Schultz, Ronald G. and Gryaznov, Sergei M. (1996). "Oligo-2'-Fluoro-2'-Deoxynucleotide N3'→P5 Phosphoramidates: Synthesis and Properties," <i>Nucleic Acids Res.</i> 24(15):2966-2973. |
| 197. | Schwartz, David A. et al. (1997). "CpG Motifs in Bacterial DNA Cause Inflammation in the Lower Respiratory Tract," <i>J. Clin. Invest.</i> 100(1):68-73. |
| 198. | Sélo, I. et al. (1999). "Allergy to Bovine β-Lactoglobulin: Specificity of Human IgE to Tryptic Peptides," <i>Clin. Exp. Allergy</i> 29:1055-1063. |
| 199. | Shimada, Shizuo et al. (1986). "In Vivo Augmentation of Natural Killer Cell Activity with a Deoxyribonucleic Acid Fraction of BCG," <i>Jpn. J. Cancer Res.</i> 77:808-816. |
| 200. | Sinah, Nanda D. and Striepeke, Steve (1991). "Oligonucleotides with Reporter Groups Attached to the 5'-Terminus," Chapter 8 in <i>Oligonucleotide Analogues: A Practical Approach</i> , F. Eckstein, ed., IRL Press: pp. 185-210. |
| 201. | Sonehara, Kazuhiko et al. (1996). "Hexamer Palindromic Oligonucleotides with 5'-CG-3' Motif(s) Induce Production of Interferon," <i>J. Interferon and Cytokine Res.</i> 16:799-803. |
| 202. | Sowka, Slawomir et al. (1998). "cDNA Cloning of the 43-kDa Latex Allergen Hev b 7 with Sequence Similarity to Patatins and its Expression in the Yeast <i>Pichia Pastoris</i> ," <i>Eur. J Biochem.</i> 255:213-219. |
| 203. | Sparwasser, Tim et al. (1997). "Macrophages Sense Pathogens Via DNA Motifs: Induction of Tumor Necrosis Factor-α-Mediated Shock," <i>Eur. J. Immunol.</i> 27:1671-1679. |
| 204. | Spiegelberg, H.L. et al. (1998). "Inhibition of IgE Formation and Allergic Inflammation by Allergen Gene Immunization and by CpG Motif Immunostimulatory Oligodeoxynucleotides," <i>Allergy</i> 53:93-97. |
| 205. | Spiegelberg, Hans L. et al. (1999). "Inhibition of Allergic Inflammation in the Lung by Plasmid DNA Allergen Immunization," <i>Pediatr. Pulmonol. Suppl.</i> 18:118-121. |
| 206. | Stacey, Katryn J. et al. (1996). "Macrophages Ingest and are Activated by Bacterial DNA," <i>J. Immunol.</i> 157:2116-2122. |
| 207. | Stanley, J.S. et al. (1996). "Peanut Hypersensitivity: IgE Binding Characteristics of a Recombinant <i>Ara h 1</i> Protein," <i>Adv. Exp. Med. Biol.</i> 409:213-216. |
| 208. | Staros, James V. et al. (1986). "Enhancement by N-Hydroxysulfosuccinimide of Water-Soluble Carbodiimide-Mediated Coupling Reactions," <i>Anal. Biochem.</i> 156:220-222. |
| 209. | Stein, C.A. and Krieg, Arthur (1997). "Non-Antisense Effects of Oligodeoxynucleotides," Chapter 11 in <i>Antisense Technology</i> , C. Lichtenstein and W. Nellen, eds., IRL Press: pp.241-264. |
| 210. | Stirchak, Eugene P. et al. (1989). "Uncharged Stereoregular Nucleic Acid Analogs: 2. Morpholino Nucleoside Oligomers with Carbamate Internucleoside Linkages," <i>Nucleic Acids Res.</i> 17(15):6129-6141. |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
211.	Takahashi, Hidemi et al. (1990). "Induction of CD8 ⁺ Cytotoxic T Cells by Immunization with Purified HIV-1 Envelope Protein in ISCOMs," <i>Nature</i> 344:873-875.		
212.	Tamborini, Elena et al. (1997). Biochemical and Immunological Characterization of Recombinant Allergen Lol p 1," <i>Eur. J. Biochem.</i> 249:886-894.		
213.	Tamura, Shin-Ichi et al. (1992). "Superior Cross-Protective Effect of Nasal Vaccination to Subcutaneous Inoculation with Influenza Hemagglutinin Vaccine," <i>Eur. J. Immunol.</i> 22:477-481.		
214.	Tamura, Shin-Ichi et al. (1994). "Formulation of Inactivated Influenza Vaccines for Providing Effective Cross-Protection by Intranasal Vaccination in Mice," <i>Vaccine</i> 12(4):310-316.		
215.	Teuber, Suzanne S. et al. (1998). "Cloning and Sequencing of a Gene Encoding a 2S Albumin Seed Storage Protein Precursor from English Walnut (<i>Juglans Regia</i>), a Major Food Allergen," <i>J. Allergy Clin. Immun.</i> 101:807-814.		
216.	Tokunaga, Tohru et al. (1992). "Synthetic Oligonucleotides with Particular Base Sequences from the cDNA Encoding Proteins of <i>Mycobacterium bovis</i> BCG Induce Interferons and Activate Natural Killer Cells," <i>Microbiol. Immunol.</i> 36(1):55-66.		
217.	Tung, Ching-Hsuan et al. (1991). "Preparation of Oligonucleotide-Peptide Conjugates," <i>Bioconjug. Chem.</i> 2:464-465.		
218.	Van Do, T. et al. (1999). "Expression and Analysis of Recombinant Salmon Parvalbumin, the Major Allergen in Atlantic Salmon (<i>Salmo salar</i>)," <i>Scand. J. Immunol.</i> 50:619-625.		
219.	Verthelyi, Daniela et al. (2001). "Human Peripheral Blood Cells Differentially Recognize and Respond to Two Distinct CpG Motifs," <i>J. Immunol.</i> 166(4):2372-2377.		
220.	Wang, Shaohui and Kool, Eric T. (1994). "Circular RNA Oligonucleotides. Synthesis, Nucleic Acid Binding Properties, and a Comparison with Circular DNAs," <i>Nucleic Acids Res.</i> 22(12):2326-2333.		
221.	Warner, B.D. et al. (1984). "Construction and Evaluation of an Instrument for the Automated Synthesis of Oligodeoxyribonucleotides," <i>DNA</i> 3(5):401-411.		
222.	Watwe, Ramchandra M. and Bellare, Jayesh R. (1995). "Manufacture of Liposomes: A Review," <i>Current Science</i> 68(7):715-724.		
223.	Weeratna, Risini et al. (1998). "Reduction of Antigen Expression from DNA Vaccines by Coadministered Oligodeoxynucleotides," <i>Antisense and Nucleic Acid Drug Development</i> 8:351-356.		
224.	Weiner, George J. et al. (1997). "Immunostimulatory Oligodeoxynucleotides Containing the CpG Motif are Effective as Immune Adjuvants in Tumor Antigen Immunization," <i>Proc. Natl. Acad. Sci. USA</i> 94:10833-10837.		
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449		Docket Number 377882001800	Application Number 10/033,243
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
	225.	Weir, D.M., ed. <u>Handbook of Experimental Immunology in Four Volumes</u> , "Volume 4: Applications of Immunological Methods in Biomedical Sciences," Blackwell Scientific Publications: pp. v-x (Table of Contents).	
	226.	Widhe, M. et al. (1998). "IgG Subclasses in Lyme Borreliosis: A Study of Specific IgG Subclass Distribution in an Interferon- γ -Predominated Disease," <i>Scand. J. Immunol.</i> 47:575-581.	
	227.	Wild, David, ed. (1994). <u>The Immunoassay Handbook</u> , Stockton Press: pp. v-xvi (Table of Contents).	
	228.	Wooldridge, James E. et al. (1997). "Immunostimulatory Oligodeoxynucleotides Containing CpG Motifs Enhance the Efficacy of Monoclonal Antibody Therapy of Lymphoma," <i>Blood</i> 89(8):2994-2998.	
	229.	Yamamoto, Saburo et al. (1992). "Unique Palindromic Sequences in Synthetic Oligonucleotides are Required to Induce IFN [correction of INF] and Augment IFN-Mediated [correction of INF] Natural Killer Activity," <i>J. Immunol.</i> 148(12):4072-4076.	
	230.	Yamamoto, Toshiko et al. (1994a). "Ability of Oligonucleotides with Certain Palindromes to Induce Interferon Production and Augment Natural Killer Cell Activity is Associated with Their Base Length," <i>Antisense Research and Development</i> 4:119-122.	
	231.	Yamamoto, Toshiko et al. (1994b). "Synthetic Oligonucleotides with Certain Palindromes Stimulate Interferon Production of Human Peripheral Blood Lymphocytes <i>in vitro</i> ," <i>Jpn. J. Cancer Res.</i> 85:775-779.	
	232.	Yanagawa, Hiroshi et al. (1988). "Analysis of Superhelical Structures of Nucleic Acid-Lipid Conjugates by Image Processing," <i>Nucleic Acids Symp. Series</i> 19:189-192.	
	233.	Yi, Ae-Kyung et al. (1996). "IFN- γ Promotes IL-6 and IgM Secretion in Response to CpG Motifs in Bacterial DNA and Oligodeoxynucleotides," <i>J. Immunol.</i> 156(2):558-564.	
	234.	Yi, Ae-Kyung and Krieg, Arthur M. (1998a). "CpG DNA Rescue from Anti-IgM-Induced WEHI-231 B Lymphoma Apoptosis Via Modulation of I κ B α and I κ B β and Sustained Activation of Nuclear Factor- κ B/c-Rel," <i>J. Immunol.</i> 160(3):1240-1245.	
	235.	Yi, Ae-Kyung et al. (1998b). "CpG Motifs in Bacterial DNA Activate Leukocytes Through the pH-Dependent Generation of Reactive Oxygen Species," <i>J. Immunol.</i> 160(10):4755-4761.	
	236.	Yi, Ae-Kyung et al. (1998c). "CpG Oligodeoxyribonucleotides Rescue Mature Spleen B Cells from Spontaneous Apoptosis and Promote Cell Cycle Entry," <i>J. Immunol.</i> 160(12):5898-5906.	
	237.	Yi, Ae-Kyung and Krieg, Arthur M. (1998d). "Cutting Edge: Rapid Induction of Mitogen-Activated Protein Kinases by Immune Stimulatory CpG DNA," <i>J. Immunol.</i> 161(9):4493-4497.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 377882001800	Application Number 10/033,243
		Applicant Karen L. FEARON and Dino DINA	
		Filing Date December 27, 2001	Group Art Unit 1653
		Mailing Date March 25, 2002	
	238.	Zhao, Qiuyan et al. (1996). "Effect of Different Chemically Modified Oligodeoxynucleotides on Immune Stimulation," <i>Biochem. Pharmacol.</i> 51:173-182.	
	239.	Zimmermann, Stefan et al. (1998). "CpG Oligodeoxynucleotides Trigger Protective and Curative Th1 Responses in Lethal Murine Leishmaniasis," <i>J. Immunol.</i> 160(8):3627-3630.	
	240.	Zon, Gerald (1993). "Oligonucleoside Phosphorothioates," Chapter 8 in <u>Protocols for Oligonucleotides and Analogs, Synthesis and Properties</u> , Sudhir Agrawal, ed., Humana Press: pp.165-189.	
	241.	Zuckermann, Ronald et al. (1987). "Efficient Methods for Attachment of Thiol Specific Probes to the 3'-ends of Synthetic Oligodeoxyribonucleotides," <i>Nucleic Acids Res.</i> 15:5305-5321.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			